

FIG. 1

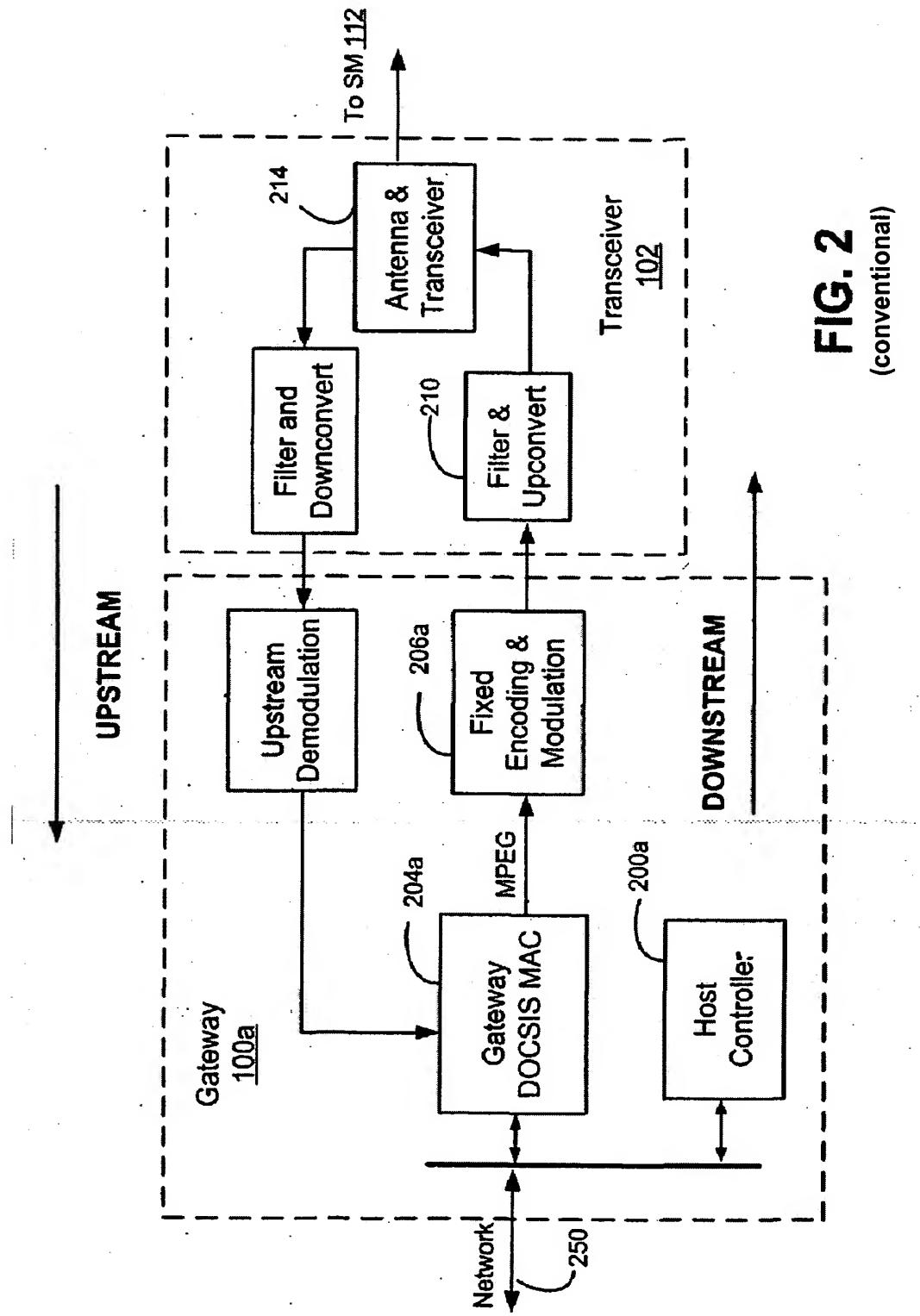


FIG. 2
(conventional)

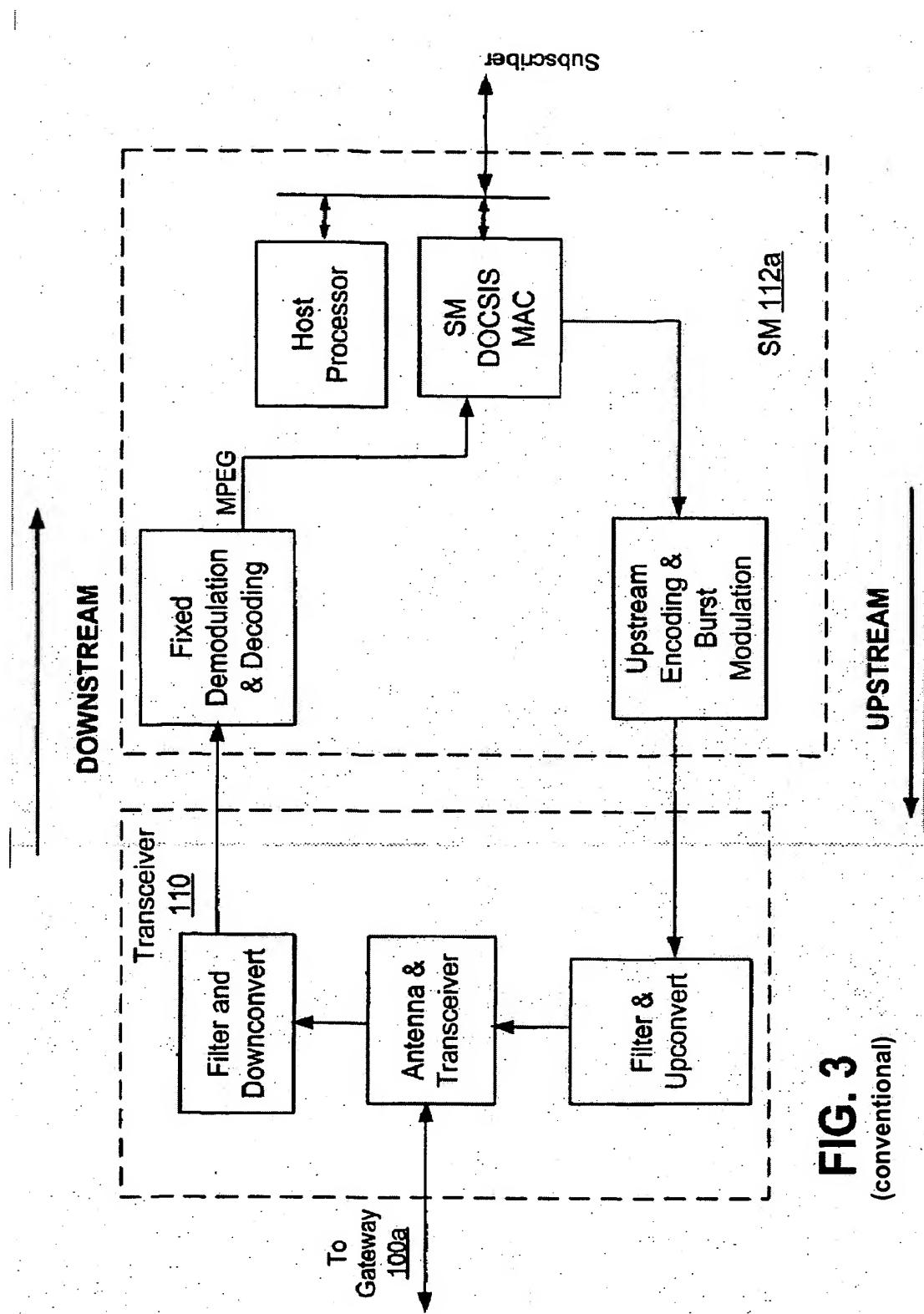


FIG. 3
(conventional)

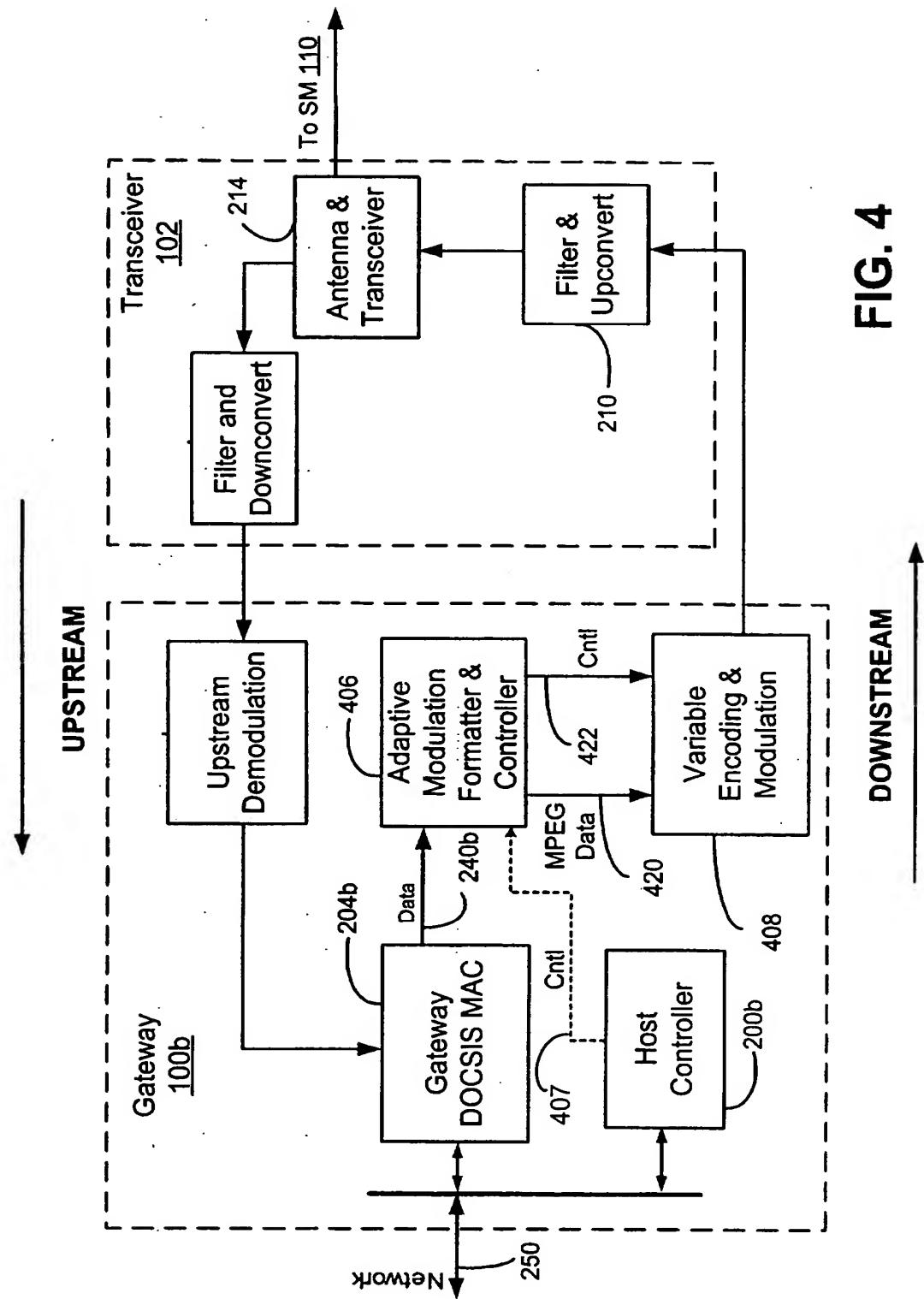


FIG. 4

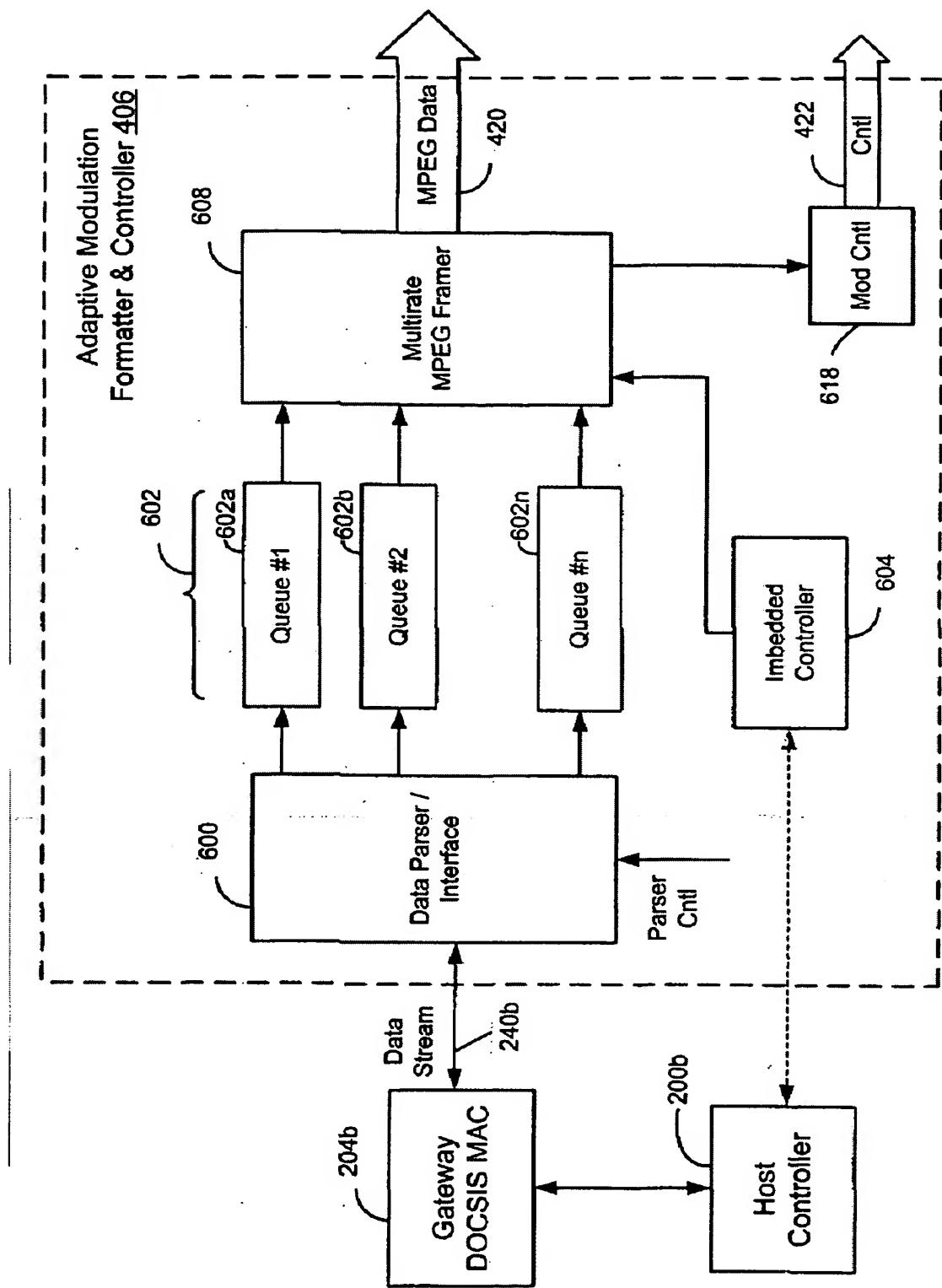


FIG. 5

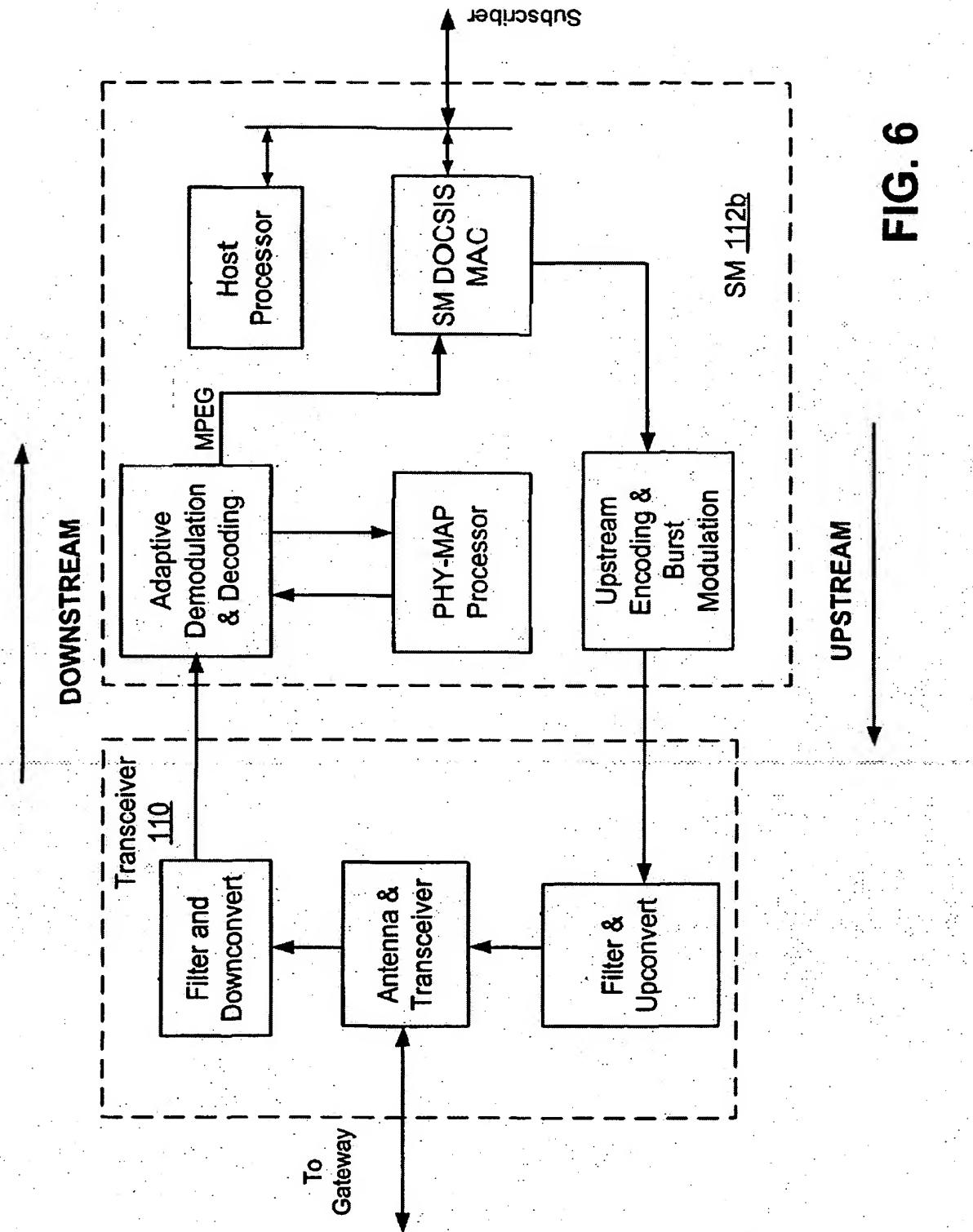


FIG. 6

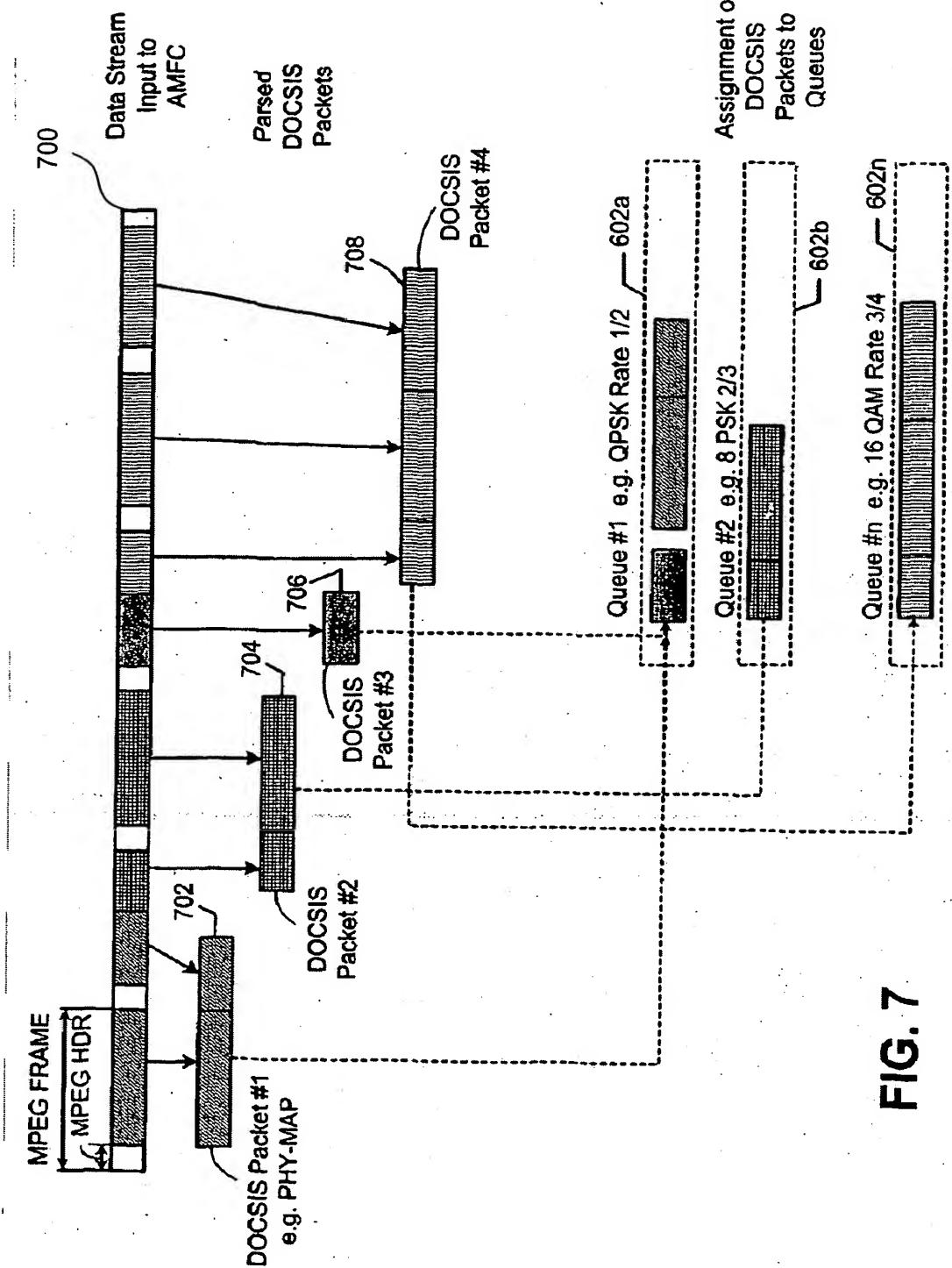
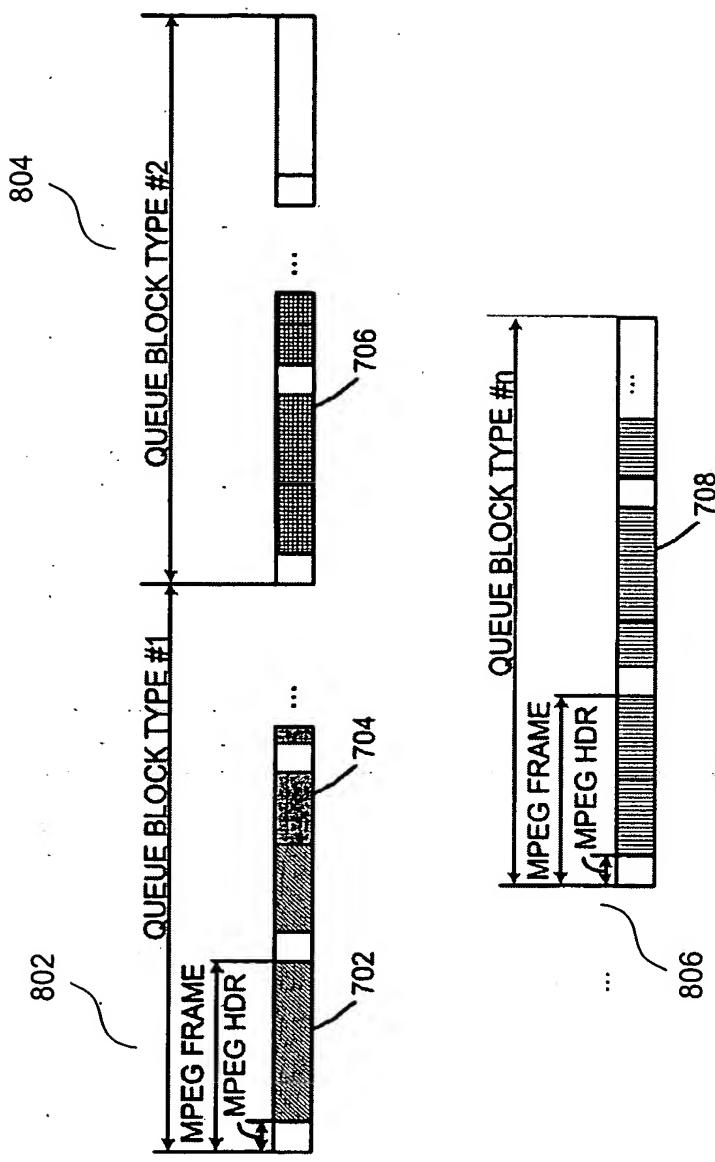


FIG. 7

**FIG. 8**

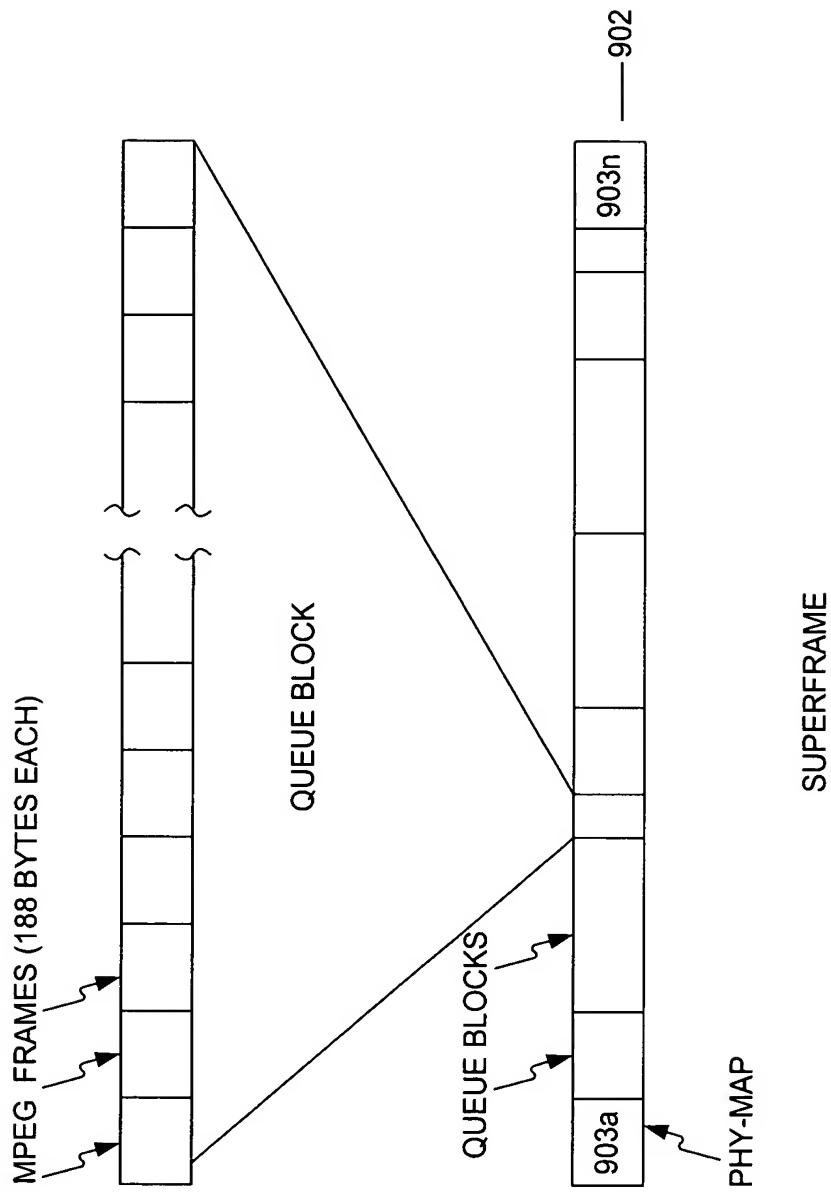


FIG. 9

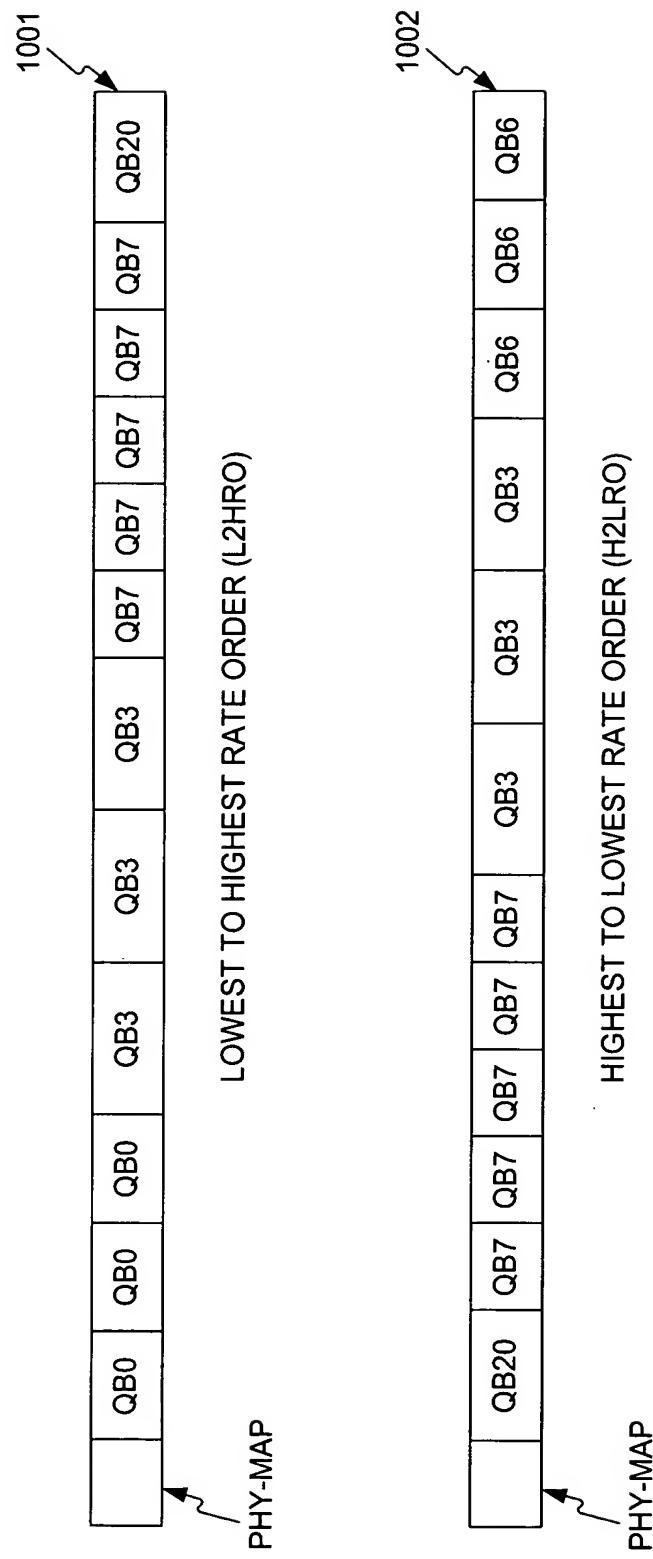
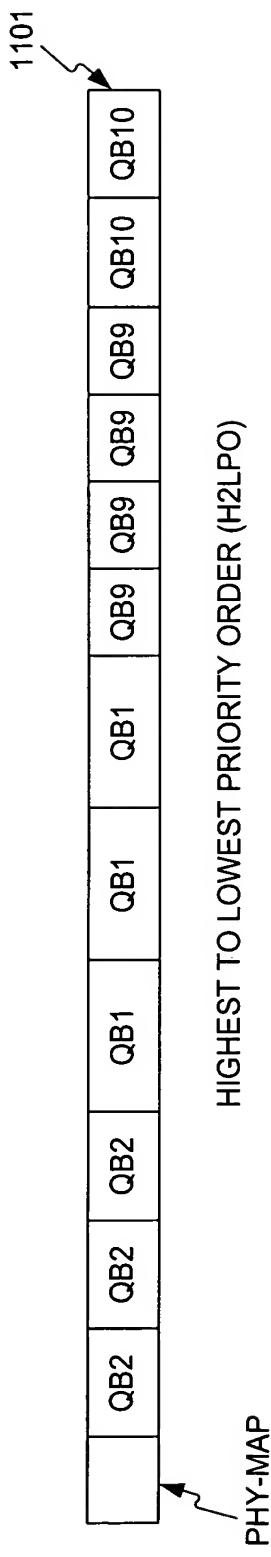


FIG. 10

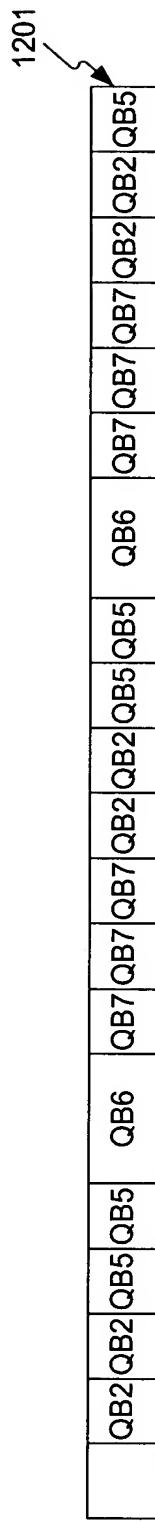


Priority Table (H2LPO)

PRIORITY	QB#
HIGHEST	0
	7
1	11
2	2
3	5
4	15
5	4
6	1
7	3
8	9
LOWEST	9
	10

1102 (Priority 11) is mapped to QB# 7 (Priority 0).

FIG. 11



LOWEST TO HIGHEST RATE ORDER (L2HRO-RR)
 ROUND ROBIN UNTIL QUEUES ARE EMPTY
 OR MAX SF SIZE REACHED

NUM_BLKs

QB#	2	2
3	3	1
4	4	2
5	5	2
6	6	1
7	7	3
8	8	3

1202

FIG. 12

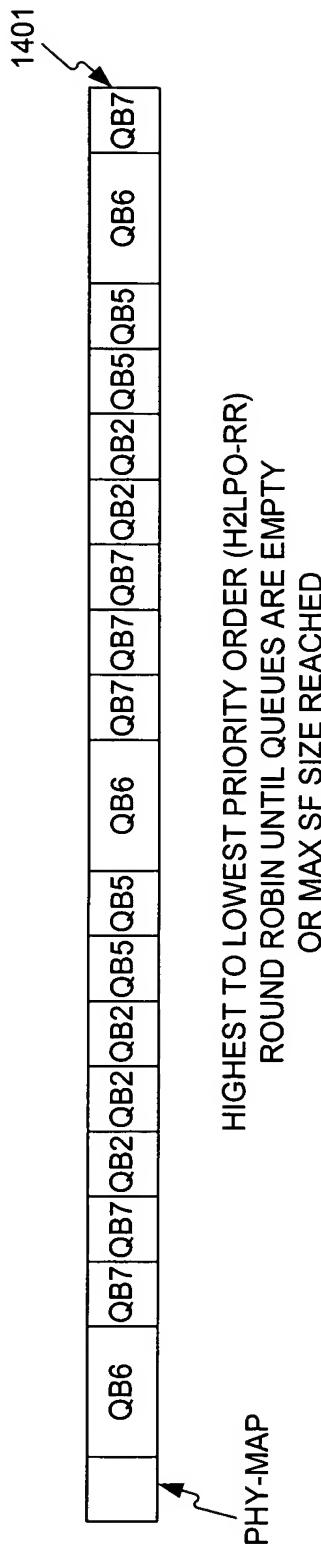
	QB7	QB7	QB7	QB6	QB5	QB5	QB2	QB2	QB7	QB7	QB6	QB5	QB5	QB2	QB2	QB7	QB7
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

PHY-MAP

HIGHEST TO LOWEST RATE ORDER (H2LRO-RR)
ROUND ROBIN UNTIL QUEUES ARE EMPTY
OR MAX SF SIZE REACHED

QB#	NUM BLKS
2	2
3	1
4	2
5	2
6	1
7	3
8	3

FIG. 13

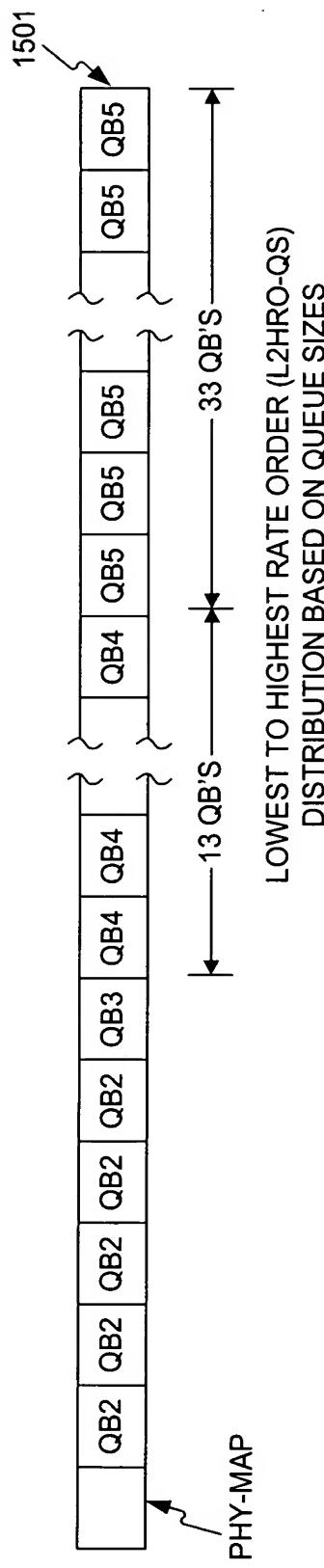


1402

	PRI/OPRITY	QB#	NUM BLKS
HIGHEST	0	6	1
	1	7	3
	2	2	2
	3	5	2
	4	3	1
	5	8	3
LOWEST	6	4	1

 A curly arrow labeled '1402' points from the top right towards the bottom left of the table."/>

FIG. 14

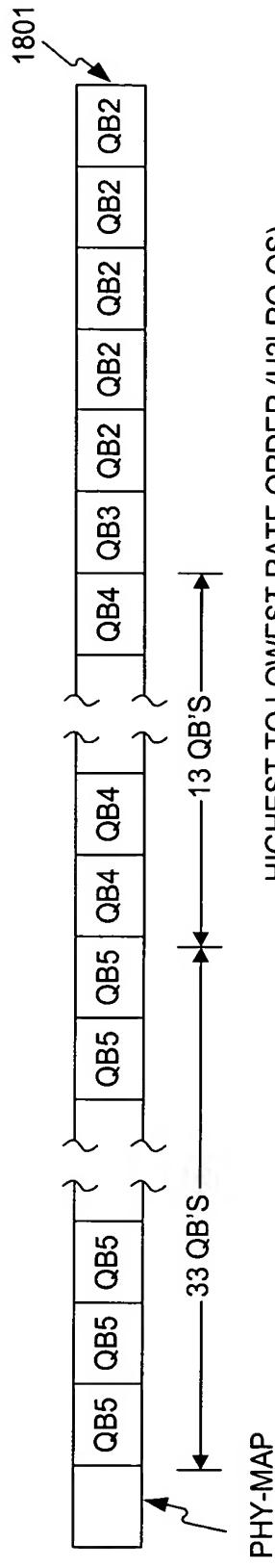


1502

QB#	QUEUE NUM BYTES IN %		
2	1500	10	
3	200	1	
4	4000	26	
5	10000	66	

SNAPSHOT OF AMOUNT OF
DATA IN QUEUES AT SF
TIME OF BUILD

FIG. 15



1602

NUM BYTES IN %

QUEUE

QB#

QB#	2	1500	10
3	200	1	
4	4000	26	
5	10000	66	

SNAPSHOT OF AMOUNT OF
DATA IN QUEUES AT SF
TIME OF BUILD

FIG. 16

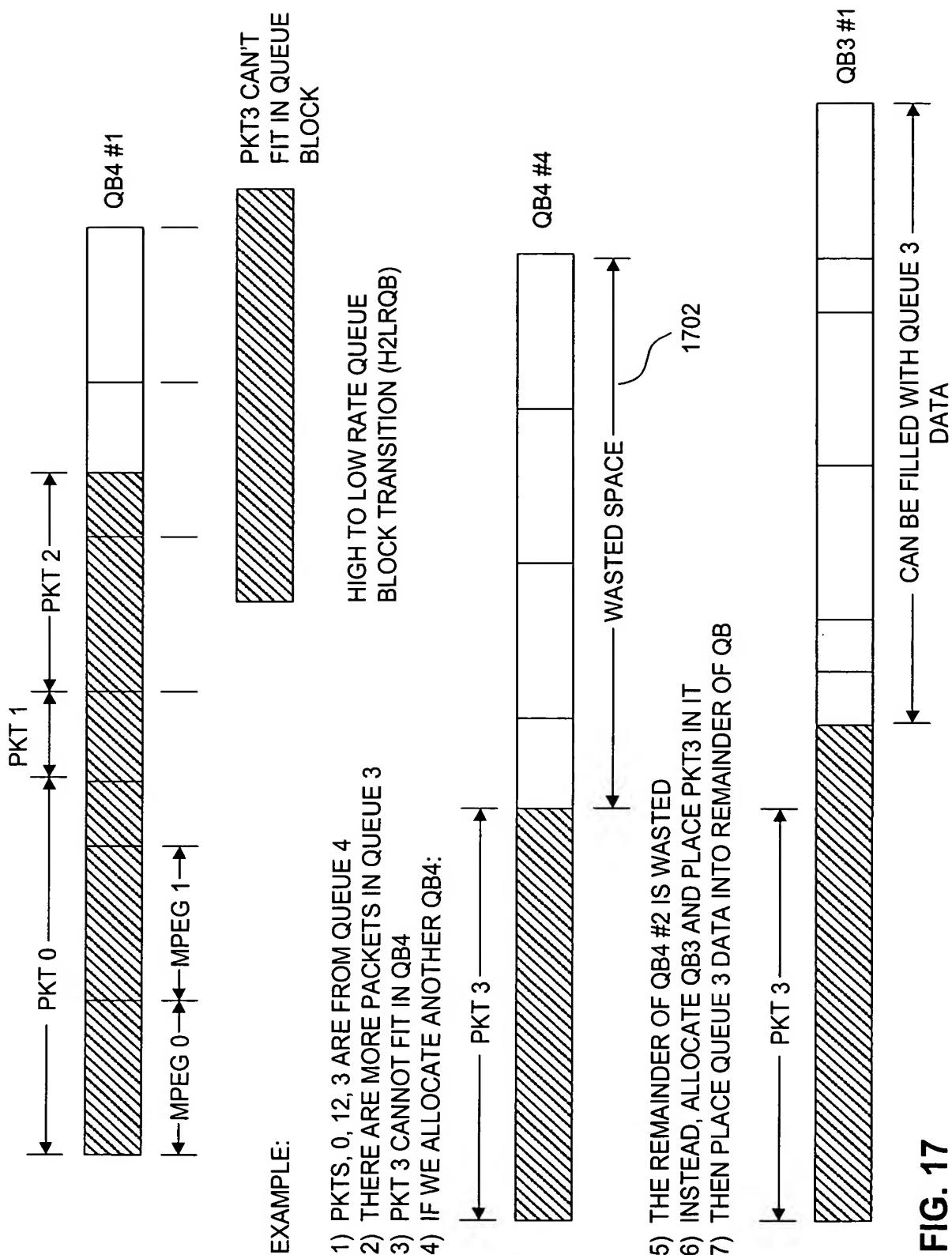


FIG. 17

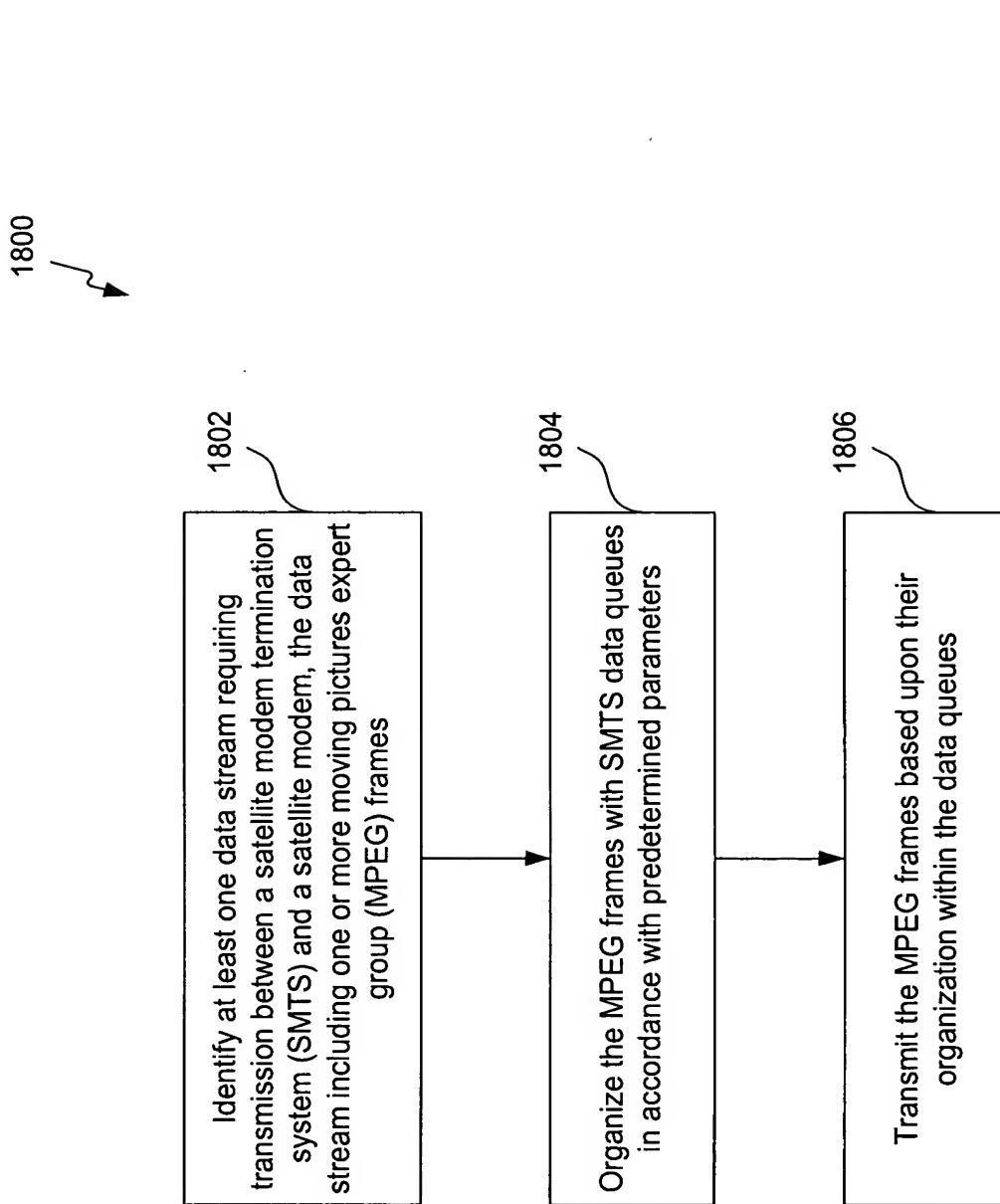


FIG. 18